IEEE P802.11
Wireless LANs

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| Minutes for REVme 2023 January 27 |
| Date: 2023-01-27 |
| Author(s): |
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Abstract

Minutes for the TGme (REVme) telecons held on January 27 and 30, 2023.

R0: January 27th.

1. **TGme (REVme) Telecon –Friday, January 27, 2023, at 10:00-12:00 ET**
	1. **Called to order** 10:03 am ET by the TG Chair, Michael MONTEMURRO (Huawei).
	2. **Introductions of other Officers present:**
		1. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
		2. Vice Chair - Mark RISON (Samsung)
		3. Editor - Emily QI (Intel)
		4. Secretary - Jon ROSDAHL (Qualcomm)
		5. Edward AU (Huawei) is excused as he is attending the C/SAB meeting and joined late.
	3. **IMAT Reported attendance**

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| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| 2 | Halasz, David | Morse Micro |
| 3 | Hamilton, Mark | Ruckus/CommScope |
| 4 | Hedayat, Ahmadreza | Apple Inc. |
| 5 | Kim, Youhan | Qualcomm Technologies, Inc. |
| 6 | Malinen, Jouni | Qualcomm Technologies, Inc |
| 7 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 8 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| 9 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| 10 | RISON, Mark | Samsung Cambridge Solution Centre |
| 11 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 12 | Smith, Graham | SR Technologies |
| 13 | VIGER, Pascal | Canon Research Centre France |
| 14 | Qi, Emily | Intel |

* 1. **Review Patent Policy and Copyright policy and Participation Policies.**
		1. No issues
	2. **Review Agenda:** 11-21/0155r1:
		1. <https://mentor.ieee.org/802.11/dcn/23/11-23-0155-01-000m-january-march-teleconference-agenda.docx>
		2. Friday January 27th, 2023

 **The draft agenda for the teleconferences is below:**

1.       Call to order, attendance (<https://imat.ieee.org/attendance> ), and patent and copyright policy

a.       **Patent Policy: Ways to inform IEEE:**

1. Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
2. Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
3. Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

b. **Copyright Policy:**

* + 1. By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

c.**Participation and policy related (including Patent and Copyright) slides: See slides 10-19 in** <https://mentor.ieee.org/802.11/dcn/22/11-22-2139-00-0000-2nd-vice-chair-report-january-2023.pptx>

d.**Agenda Approval**

2.       **Editor report** – Emily QI/Edward AU

3.       **Comment resolution and motions**

1. **Friday January 27, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3776 (MAC) – Hamilton (Ruckus/Commscope)
		2. CIDs 3568, 3567, 3658 (GEN) – Rosdahl (Qualcomm)
		3. CID 3263 (GEN) – Rison (Samsung)
		4. CID 3508 (MAC) – Hamilton (Ruckus/Commscope)
		5. CID 3697, 3694, 3541, 3538, 3504, 3408, 3526, 3271 (PHY) – Rison (Samsung)
2. **Friday February 3, 2022 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3233 (ED1) – Qi (Intel).
		2. CID 3181 (MAC), 3185 (GEN) – Rison (Samsung)
		3. GEN Discuss/Review CIDs – Rosdahl (Qualcomm)
3. **Monday February 6, 2022 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3693 (ED2) – Rison (Samsung)
		2. CIDs 3514, 3375– Rison (Samsung)
		3. CID 3057 (PHY) – Smith (SRT)
		4. MAC Discuss/Review CIDs – Hamilton (Ruckus/Commscope)
4. **Friday February 10, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. SEC CIDs – 11-22/2163 – Montemurro (Huawei)
5. **Monday February 13, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3384 (MAC) – Halasz (Morse Micro)
		2. ED2 Discuss/Review CIDs – Au (Huawei)
		3. GEN Discuss/Review CIDs – Rosdahl (Qualcomm)
6. **Friday February 17, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3175, 3289 (MAC) – Rison (Samsung)
		2. Misc MAC CIDs – doc 11-22/2206 – Patil (Qualcomm)
		3. MAC Discuss/Review CIDs – Hamilton (Ruckus/Commscope)
7. **Friday February 24, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3262 (PHY) – Rison (Samsung)
		2. CID 3316 (GEN) – Smith (SRT)
		3. CID 3000 (MAC) – Patil (Qualcomm)
8. **Monday February 27, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. 1024 QAM for S1G – doc 11-23/39 – Halasz (Morse Micro) [Up to 1 hr agenda time]
		2. MAC Discuss/Review CIDs – Hamilton (Ruckus/Commscope
9. **Friday March 3, 2023 – 10am – noon Eastern**
	1. Comment resolution
		1. CID 3753 – doc 11-23/156 (SEC)– Huang (Intel)
		2. CID 3742 – doc 11-23/154 (SEC) – Huang (Intel)
		3. CID 3743, 3744, 3745, 3746 (SEC) – doc 11-23/153 – Huang (Intel)
		4. SEC CIDs – 11=22/2163 – Montemurro (Huawei)

5.       **AOB**

6. **Adjourn**

* + 1. Add CID 3819 (ED1) doc 11-22/1993 Youhan KIM (Qualcomm)
		2. No objection to approving Agenda
	1. **Editor Report**
		1. Editors are working to incorporate about 100 CIDs from the Baltimore Session.
		2. D2.1 is available in members area.
	2. **CID 3776 (MAC)** –
		1. This is not assigned to Mark Hamilton, but this should be assigned to Robert STACEY and there is an action item for this CID outstanding.
		2. Need to reschedule the CID for later.
		3. CID assigned to Robert STACEY
	3. **CID 3819 (ED1) doc 11-22/1993** Youhan KIM (Qualcomm)
		1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1993-04-000m-definition-acronym.docx>
		2. CID 3819 (ED1)
			1. Review Comment
			2. Review the history of how we got to this point.
			3. Review the proposed changes for the definitions.
			4. Discussion on the placement of the definition Acronyms.
			5. Discussion on use of KCK and KEK acronym. – Do we want to move to right of colon.
			6. Question on DL-MU-MIMO? Two hyphens or one. Leave with both as it is as it was. Referencing CID 3367, on "DL-" or "DL<sp>"
				1. From database: CID 3367: REVISED (ED1: 2023-01-06 20:48:00Z) -Change “DL-MU-MIMO” to “DL MU-MIMO” throughout the draft. 43 instances.
				2. For now, Youhan will remove first hyphen in his doc to make incorporation easier in future.
			7. Question on definition that may be deleted later today – leave it as is for now.
			8. Discussion on how the choices for when the end Acronyn was moved from left to right of the colon.
			9. A rule for how to explain this plan should be included in the Style Guide.
			10. Proposed Resolution: CID 3819 (ED1): Revised. Incorporate the changes in 11-22/1993r5 (<https://mentor.ieee.org/802.11/dcn/22/11-22-1993-05-000m-definition-acronym.docx>).
			11. No objection – Mark Ready for Motion
	4. **Stephen McCann start taking notes**.
	5. **GEN CIDs** – Jon ROSDAHL (Qualcomm)
		1. Presented from the database
		2. GEN AdHoc Comment File: 11-22/2016r4:
			1. <https://mentor.ieee.org/802.11/dcn/22/11-22-2016-04-000m-revme-gen-ad-hoc-comments-on-lb270.xlsx>
		3. CID 3567 (GEN)
			1. This is a repeat of CID 1369 from September 2022.
			2. C: I don’t think specific use cases need to be defined.
			3. C: I think the current text is adequate.
			4. C: I think the current text is rather dangerous
			5. **Straw Poll:**
				1. **Do you agree with resolving CID 3567 as REJECTED?**
				2. Results: 8/4/1
			6. Chair: So, there is no clear consensus. Therefore, more work is required.
			7. Mark CID More work required.
			8. Schedule to bring back at March plenary.
			9. Assign CID to Mark Hamilton
			10. C: What is consensus please?
			11. Chair: I consider a straw poll of 75% to show consensus. This was not reached in this situation.
			12. C: It appears that the concern is that IBSS security operations have not evolved in line with the rest of the more common security items draft.
		4. CID 3568 (GEN)
			1. This is a repeat of CID 1640 from September 2022.
			2. C: Emails were sent out in 2022 requesting more information to resolve this.
			3. C: I believe that the previous comment resolution was bogus. Because people did not respond to the emails, this does not mean that no-one cares about this topic.
			4. Chair: I think that is not reasonable statement for this group. The comment is supposed to have a change that the group agrees with.
			5. C: If a change is made, then it will take up to 10 years for the change to appear in products. I support deprecation, but in this case I don’t think it’s really required to move in that direction.
			6. C: I don’t think this comment meets the guidelines for comment resolution.
			7. Chair: Yes, I agree.
			8. C: I think the people who have implemented PBSS should be contacted to determine what their opinion is.
			9. C: An email was sent out, but no one responding to it shouldn’t be interpreted as “no-one cares”.
			10. C: The Wi-Fi Alliance has a program called WiGig that references PBSS. It’s not clear whether people support it or not. Therefore, a more convincing argument is required before this should be deprecated.
			11. Chair: The rejection reason will be similar to that of CID 1640.
			12. **Proposed Resolution:** REJECTED (GEN: 2023-01-27 16:08:23Z); REVme has had 21 other CIDS (1720, 1486, 1678, 1740, 1752, 1820, 1943, 2135, 1902, 1739, 1303, 1302, 1931, 1514, 1392, 1617, 439, 1464, 1465, 1563, 1591) that have updated clauses pertaining to PBSS operation.

So, it is clear that someone cares about PBSS operation. Some are in fact caring enough to update and maintain it.

* + - 1. One Objection to resolution – Mark Ready for Motion.
		1. CID 3658 (GEN)
			1. This is a repeat of CID 1992 from September 2022.
			2. C: What does the resolution to CID 1992 mean?
			3. Chair: Has anything changed since CID 1992?
			4. C: No
			5. Chair: So, I think the same comment resolution should be used from CID 1992
			6. **Proposed Resolution: Rejected:**
			7. **The TG reviewed 11-21/0448 (https://mentor.ieee.org/802.11/dcn/21/11-21-0448-00-000m-miscellaneous-11me-d0-0-issues.pptx) and concluded that more details need to be investigated (including checking ~ 800 instances of "beacon interval" in the standard), and perhaps "beacon period" as well. The proposed change as given is insufficient to result in a consistent resolution.**
			8. One Objection – Mark Ready for Motion.
	1. **Review doc 11-22-2069r3 – CID 3263 (GEN)** – Mark RISON (Samsung)
		1. <https://mentor.ieee.org/802.11/dcn/22/11-22-2069-03-000m-resolutions-for-some-comments-on-11me-d2-0-lb270.docx>
		2. CID 3263 (GEN)
			1. Review Comment
			2. Chair: Thank you for creating this submission.
			3. C: Some of the changes are not that clear.
			4. C: Items in yellow should be deleted. However, what about the items in blue?
			5. C: The blue means a broken cross reference.
			6. C: From the editor’s point of view, this is really a technical change.
			7. C: Ok
			8. C: I can highlight all the explicit deletions in yellow.
			9. C: I think it would be useful to add some explicit locations within the submission.
			10. **Proposed Resolution:** Revised. Incorporate the changes in 11-22/2069r4 (<https://mentor.ieee.org/802.11/dcn/22/11-22-2069-04-000m-resolutions-for-some-comments-on-11me-d2-0-lb270.docx>), for CID 3263. This provides the specific changes to remove PSMP from the spec.
			11. No Objection – Mark Ready for Motion.
	2. **Thanks to Stephen for taking notes.**
	3. **CID 3508 (MAC)** Mark HAMILTON
		1. From Database. – MAC AdHoc Comment file:11-21/0793r34:
			1. <https://mentor.ieee.org/802.11/dcn/21/11-21-0793-34-000m-revme-mac-comments.xls>
		2. CID 3508 (MAC)
			1. Review comment
			2. Discussion on how to proceed.
			3. Similar to CID 1528 which was resolved with REJECTED (MAC: 2022-07-14 15:53:02Z): Beacon protection only provides protection to associated STAs. It does not apply to unassociated STAs. Unassociated STAs can use broadcast Probe Response frames and FILS discovery frames to discover APs however, the information received in such frames cannot be trusted. The proposed change would limit the STAs ability to discover APs.
			4. Alternative propossals discussed:
				1. REVISED; At the end of the third para of the referenced subclause add "If dot11BeaconProtectionEnabled is true, a non-AP STA shall discard broadcast Probe Response frames received from an associated AP."
			5. Discussion on the “shall” requirements.
			6. Discussion on why we not putting this information in Clause 12 instead of 11.
			7. Review context at 12.5.3.6 (p2849.8).
			8. P2884 – 12.6.23 is an alternative location to consider.
			9. Discussion on moving sentences from 12.5.3.6 and the new sentences to 12.6.23.
			10. Suggest that we include what is dropped when not validated.
			11. The direction seems agreeable to the group.
			12. New Text needs to be added to same place as the text being moved.
			13. The group worked together to prepare the resolution. Then the database dropped the nearly completed resolution. This will need to be taken offline to complete.
			14. Proposed Resolution: Revised; final text to be done offline.
				1. Proposed resolution was finalized after the adjournment, but before the WebEx was closed:
				2. CID 3508 (MAC): REVISED (MAC: 2023-01-27 17:02:29Z):

Delete "If beacon protection is enabled at the non-AP STA, Beacon frames that are received without

BIP protection shall be discarded. A WNM Notification Request frame may be used to report beacon protection

failure." from the end of 12.5.3.6

Add before the final paragraph of 12.6.23, as new paragraphs: "If beacon protection is enabled at a non-AP STA, the STA shall discard Beacon frames without BIP protection received from its associated AP. The STA may use a WNM Notification Request frame to report beacon protection failure. If beacon protection is enabled at a non-AP STA, the STA should discard broadcast Probe Response frames received from its associated AP.

NOTE--An EDCA Parameter Set element might need to be retained if the element is not provided in Beacon frames."

* + - 1. No Objection – Ready for motion. Starting motion tab "Motion MAC-BB"
	1. **Remaining CIDs to be rescheduled**
	2. **Adjourn 11:57am ET.**

**References:**

January 27th:

<https://mentor.ieee.org/802.11/dcn/23/11-23-0155-01-000m-january-march-teleconference-agenda.docx>

<https://mentor.ieee.org/802.11/dcn/22/11-22-2139-00-0000-2nd-vice-chair-report-january-2023.pptx>

<https://mentor.ieee.org/802.11/dcn/22/11-22-1993-04-000m-definition-acronym.docx>

<https://mentor.ieee.org/802.11/dcn/22/11-22-2016-04-000m-revme-gen-ad-hoc-comments-on-lb270.xlsx>

<https://mentor.ieee.org/802.11/dcn/22/11-22-2069-03-000m-resolutions-for-some-comments-on-11me-d2-0-lb270.docx>

<https://mentor.ieee.org/802.11/dcn/22/11-22-2069-04-000m-resolutions-for-some-comments-on-11me-d2-0-lb270.docx>

<https://mentor.ieee.org/802.11/dcn/21/11-21-0793-34-000m-revme-mac-comments.xls>